



13281 U.S. PTO

**NONPROVISIONAL PATENT  
APPLICATION TRANSMITTAL RULE §1.53(b)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

16834 U.S. PTO  
10/717601**Customer Number 32294**

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Docket No.: 60279.00073

Date: November 21, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
**MAILSTOP PATENT APPLICATION**

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): SECURE UPSTREAM TRANSMISSION IN PASSIVE OPTICAL NETWORKS

By (Inventors): Olli-Pekka POHJOLA and Ari TERVONEN

- 10 pages of Specification/Claims 1-29/Abstract are attached.
- Formal drawings (Figs. 1-6; 6 sheets) are attached.
- A Declaration and Power of Attorney is attached.
- An assignment of the invention to Nokia Corporation is attached, along with Form PTO-1595 and a check for \$40.00.
- An Information Disclosure Statement is attached, along with Form PTO-1449, and \_\_\_\_\_ reference(s).
- This application is entitled to Small Entity Status.
- A Preliminary Amendment is attached.
- Priority of foreign application No. 20031429 filed October 2, 2003 in Finland is claimed under 35 U.S.C. §119.
- Priority of U.S. Provisional Application(s) No. \_\_\_\_\_ filed \_\_\_\_\_ is claimed under 35 U.S.C. §119(e).
- A certified copy of the above corresponding foreign application is attached.

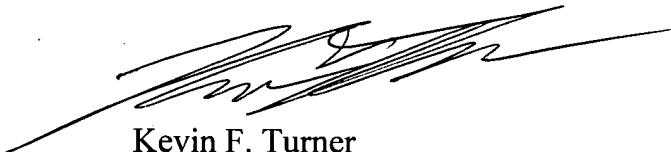
The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

			SMALL ENTITY		LARGE ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	Fee	RATE	Fee
BASIC FEE				\$ 385		
TOTAL CLAIMS	29 - 20	= 9	x 9 =	\$	x 18	\$ 162
INDEP CLAIMS	8 - 3	= 5	x 43 =	\$	x 86	\$ 430
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+145 =	\$	+290	\$
			TOTAL	\$	OR TOTAL	\$1362

A check for the filing fee is not enclosed at this time.

Check No. 010728 in the amount of \$1,402.00 (\$1,362.00 for the filing fee and \$40.00 for the Assignment Recordation Fee) is attached. Please charge any fee deficiency or credit any overpayment to Counsel's Deposit Account No. 50-2222.

Respectfully submitted,



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KFT/lis